

Job Title: Chemical Engineer
Department: Technology
Location: Wallingford, CT
Salary Range: 75k-95k

Nel Hydrogen

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Hydrogen... the most abundant element in the universe is your ticket to a rewarding future. Every day there are reports of how hydrogen (produced by water electrolysis and renewable energy sources) is displacing fossil fuels, reducing greenhouse gasses, and helping to revitalize our planet.

Nel Hydrogen is the global leader in on-site hydrogen generation and the largest electrolyser manufacturer in the world. Armed with a full portfolio of water electrolysers and hydrogen fueling station technologies, Nel Hydrogen is leading the charge into the new green hydrogen economy.

If you are driven by personal initiative combined with loyalty and commitment to your team and the ability to convert complex issues into simple solutions, then we want to talk to you. Help make the world a better place. Join a company that is on the cutting edge of new energy innovations, with an energized, progressive culture.

POSITION SUMMARY

An immediate opportunity exists for a hands-on candidate with strong technical and communication skills to support technology development and transition to commercial products. This position will require working in a team environment while providing subject matter expert support in chemistry and materials. The ideal candidate should have experience working on multiple projects simultaneously as well as understanding of electrochemical devices and troubleshooting issues.

RESPONSIBILITIES:

- Characterization of new catalyst and membrane materials for electrolysers.
- Documentation of test plans, data analysis, literature summaries, and technical reports.
- Test cell assembly and operation and inspection of parts before and after testing.
- Manufacture of catalyst inks and application on substrates.
- Electrode fabrication from powders, polymer membranes, and porous substrates.
- Write reports regarding testing methods, influencing factors and results.
- Work closely with Materials Scientists and Chemical Engineers to develop advanced manufacturing processes to enable electrolyser cost reduction and efficiency improvements.
- Apply engineering fundamentals to practical problem solving and develop and optimize robust component specifications to meet product requirements.
- Solve any engineering challenges encountered related to chemical and material aspects of design and manufacturing process.
- Able to travel (< 20%) as needed.

QUALIFICATIONS:

Education and Experience

BS in Chemistry or chemical engineering or equivalent with at least 3-5 years of industry experience required.

PhD in the area of Chemistry/Chemical Engineering with emphasis in electrochemistry is also acceptable.

Required Skills and Abilities:

- At least 3-5 years of related manufacturing experience required
- General understanding of manufacturing methods including a basic understanding of manufacturing process optimization.
- Good hands on lab skills in wet chemistry and bench techniques.
- Working knowledge of electrochemical devices.
- Working familiarity with safe work practices and materials safety data sheets (MSDS).
- Experience in characterization of fuel cell/electrolyzer or related materials.
- Ability to balance multiple tasks including working under pressure and meeting deadlines.
- Demonstrated hands-on research and problem-solving with strong analytical skills.

Competencies:

- Communication verbal and written
- Multi-tasking
- Attention to detail
- Results driven with demonstrated follow through
- Team player
- Relationship building
- Critical Thinking
- Ownership
- Ethical

The above statements reflect the principal functions of the position and shall not be construed as a detailed description of all work requirements that may be inherent in the job.

Nel Hydrogen provides comprehensive health and insurance benefits for its employees as well as a stock option plan. The Company offers competitive paid vacation time, sick leave, and holidays.

The Company has a published Code of Conduct that all employees are expected to follow.

Visas

- Nel will only employ those who are legally authorized to work in the United States. This is not a position for which sponsorship will be provided.
- Individuals with temporary visas such as E, F-1, H-1, H-2, L, B, J, or TN or who need sponsorship for work authorization now or in the future, are not eligible for hire.

We are an equal opportunity employer We are an equal opportunity employer-M/F/Disabled/Veteran and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or

any other characteristic protected by law. All employment is decided based on qualifications, merit, and business need.

To apply, please e-mail your cover letter and resumé to: nelctcareers@nelhydrogen.com.